

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP01/03683

## A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl<sup>7</sup> G01N33/543, 521

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> G01N33/543, 521

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Toroku Jitsuyo Shinan Koho	1994-2001
Kokai Jitsuyo Shinan Koho	1971-2001	Jitsuyo Shinan Toroku Koho	1996-2001

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 11-94817 A (Matsushita Electric Ind. Co., Ltd.), 09 April, 1999 (04.09.99), (Family: none)	1-8, 15-17
Y		9-14
X	JP 11-44689 A (Dainabot Co., Ltd.), 16 February, 1999 (16.02.99), (Family: none)	1-8, 15-17
Y		9-14
X	JP 10-332700 A (Towns K.K.), 18 December, 1998 (18.12.98), (Family: none)	1-8, 12-17
Y		9-11

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"I" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search  
23 July, 2001 (23.07.01)Date of mailing of the international search report  
07 August, 2001 (07.08.01)Name and mailing address of the ISA/  
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.



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**Europäisches  
Patentamt**

Zweigstelle  
in Den Haag  
Recherchen-  
abteilung

**European  
Patent Office**

Branch at  
The Hague  
Search  
division

**Office européen  
des brevets**

Département à  
La Haye  
Division de la  
recherche

Balsters, Robert  
Novagraaf International S.A.  
25, avenue du Pailly  
1220 Les Avanchets - Geneva  
SUISSE

25 AVR. 2003  
6062

Datum/Date

24.04.03

RECEIVED  
JUN 05 2003  
TC 1

Zeichen/Ref./Réf.

BB 47315

Anmeldung Nr./Application No./Demande n°/Patent Nr./Patent No./Brevet n°.

01926009.0-2404-JP0103683

Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.

## COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

☐ Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

RECEIVED  
JUN 05 2003  
TC 1700

## REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
E	EP 1 104 886 A (MATSUSHITA ELECTRIC IND CO LTD) 6 June 2001 (2001-06-06) * abstract; figure 1 *	1-5,7,8, 15-17	G01N33/543
X	WO 98 32018 A (CARBURY HERNE LIMITED ;SLATER JAMES HOWARD (GB); REID ADAM G (GB);) 23 July 1998 (1998-07-23) * abstract; figures 1-18 *	1,2,5-8, 15-17	
A	WO 95 16207 A (CHANDLER HOWARD M ;SMITHKLINE DIAGNOSTICS INC (US)) 15 June 1995 (1995-06-15) * page 1, line 1 - page 8, line 16; figures 1,2 *	1-17	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			G01N
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			
Place of search MUNICH		Date of completion of the search 15 April 2003	Examiner Diez Schlereth, D
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 01 92 6009

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

15-04-2003

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
EP 1104886	A	06-06-2001	EP	1104886 A1	06-06-2001
			US	6497842 B1	24-12-2002
			CN	1318150 T	17-10-2001
			WO	0079279 A1	28-12-2000
			JP	2001066310 A	16-03-2001
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WO 9832018	A	23-07-1998	AU	5570498 A	07-08-1998
			EP	0968426 A1	05-01-2000
			WO	9832018 A1	23-07-1998
			JP	2001508180 T	19-06-2001
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WO 9516207	A	15-06-1995	US	5607863 A	04-03-1997
			AU	692205 B2	04-06-1998
			AU	1265995 A	27-06-1995
			CA	2175689 A1	15-06-1995
			CN	1142868 A	12-02-1997
			EP	0733210 A1	25-09-1996
			JP	9506434 T	24-06-1997
			WO	9516207 A1	15-06-1995
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# PATENT COOPERATION TREATY

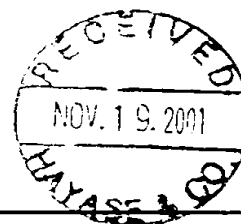
PCT

NOTICE INFORMING THE APPLICANT OF THE  
COMMUNICATION OF THE INTERNATIONAL  
APPLICATION TO THE DESIGNATED OFFICES

(PCT Rule 47.1(c), first sentence)

From the INTERNATIONAL BUREAU

To:  
HAYASE, Kenichi  
Hayase & Co. Patent Attorneys  
8F, Esaka ANA Bldg.  
17-1, Enoki-cho  
Suita-shi  
Osaka 564-0053  
JAPON



Date of mailing (day/month/year) 08 November 2001 (08.11.01)		
Applicant's or agent's file reference P25362-PO		IMPORTANT NOTICE
International application No. PCT/JP01/03683	International filing date (day/month/year) 27 April 2001 (27.04.01)	
Priority date (day/month/year) 28 April 2000 (28.04.00)		
Applicant MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. et al		

1. Notice is hereby given that the International Bureau has **communicated**, as provided in Article 20, the international application to the following designated Offices on the date indicated above as the date of mailing of this notice:

KR,US

In accordance with Rule 47.1(c), third sentence, those Offices will accept the present notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the applicant to the designated Office(s).

2. The following designated Offices have waived the requirement for such a communication at this time:

CN,EP

The communication will be made to those Offices only upon their request. Furthermore, those Offices do not require the applicant to furnish a copy of the international application (Rule 49.1(a-bis)).

3. Enclosed with this notice is a copy of the international application as published by the International Bureau on 08 November 2001 (08.11.01) under No. WO 01/84151

## REMINDER REGARDING CHAPTER II (Article 31(2)(a) and Rule 54.2)

If the applicant wishes to postpone entry into the national phase until 30 months (or later in some Offices) from the priority date, a **demand for international preliminary examination** must be filed with the competent International Preliminary Examining Authority before the expiration of 19 months from the priority date.

It is the applicant's sole responsibility to monitor the 19-month time limit.

Note that only an applicant who is a national or resident of a PCT Contracting State which is bound by Chapter II has the right to file a demand for international preliminary examination (at present, all PCT Contracting States are bound by Chapter II).

## REMINDER REGARDING ENTRY INTO THE NATIONAL PHASE (Article 22 or 39(1))

If the applicant wishes to proceed with the international application in the **national phase**, he must, within 20 months or 30 months, or later in some Offices, perform the acts referred to therein before each designated or elected Office.

For further important information on the time limits and acts to be performed for entering the national phase, see the Annex to Form PCT/IB/301 (Notification of Receipt of Record Copy) and the PCT Applicant's Guide, Volume II.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer  J. Zahra
Facsimile No. (41-22) 740.14.35	Telephone No. (41-22) 338.91.11

P C T

国際調査報告

(法 8 条、法施行規則第40、41条)  
[ P C T 1 8 条、 P C T 規則43、44 ]

出願人又は代理人 の書類記号 P 2 5 3 6 2 - P O	今後の手続きについては、国際調査報告の送付通知様式(P C T / I S A / 2 2 0 ) 及び下記 5 を参照すること。	
国際出願番号 P C T / J P 0 1 / 0 3 6 8 3	国際出願日 (日.月.年) 2 7 . 0 4 . 0 1	優先日 (日.月.年) 2 8 . 0 4 . 0 0
出願人 (氏名又は名称) 松下電器産業株式会社		

国際調査機関が作成したこの国際調査報告を法施行規則第41条 ( P C T 1 8 条 ) の規定に従い出願人に送付する。  
この写しは国際事務局にも送付される。

この国際調査報告は、全部で 3 ページである。

☐ この調査報告に引用された先行技術文献の写しも添付されている。

1. 国際調査報告の基礎

a. 言語は、下記に示す場合を除くほか、この国際出願がされたものに基づき国際調査を行った。

☐ この国際調査機関に提出された国際出願の翻訳文に基づき国際調査を行った。

b. この国際出願は、ヌクレオチド又はアミノ酸配列を含んでおり、次の配列表に基づき国際調査を行った。

☐ この国際出願に含まれる書面による配列表

☐ この国際出願と共に提出されたフレキシブルディスクによる配列表

☐ 出願後に、この国際調査機関に提出された書面による配列表

☐ 出願後に、この国際調査機関に提出されたフレキシブルディスクによる配列表

☐ 出願後に提出した書面による配列表が出願時における国際出願の開示の範囲を超える事項を含まない旨の陳述書の提出があった。

☐ 書面による配列表に記載した配列とフレキシブルディスクによる配列表に記録した配列が同一である旨の陳述書の提出があった。

2. ☐ 請求の範囲の一部の調査ができない (第 I 欄参照)。

3. ☐ 発明の単一性が欠如している (第 II 欄参照)。

4. 発明の名称は ☒ 出願人が提出したものを承認する。

☐ 次に示すように国際調査機関が作成した。

5. 要約は ☒ 出願人が提出したものを承認する。

☐ 第 III 欄に示されているように、法施行規則第47条 ( P C T 規則38.2(b) ) の規定により国際調査機関が作成した。出願人は、この国際調査報告の発送の日から 1 カ月以内にこの国際調査機関に意見を提出することができる。

6. 要約書とともに公表される図は、

第 1 図とする。 ☒ 出願人が示したとおりである。

☐ なし

☐ 出願人は図を示さなかった。

☐ 本図は発明の特徴を一層よく表している。

A. 発明の属する分野の分類 (国際特許分類 (IPC))  
Int Cl<sup>7</sup> G01N33/543, 521

B. 調査を行った分野

調査を行った最小限資料 (国際特許分類 (IPC))  
Int Cl<sup>7</sup> G01N33/543, 521

最小限資料以外の資料で調査を行った分野に含まれるもの

日本国実用新案公報 1922-1996年  
日本国公開実用新案公報 1971-2001年  
日本国登録実用新案公報 1994-2001年  
日本国実用新案登録公報 1996-2001年

国際調査で使用した電子データベース (データベースの名称、調査に使用した用語)

C. 関連すると認められる文献

引用文献の カテゴリー*	引用文献名 及び一部の箇所が関連するときは、その関連する箇所の表示	関連する 請求の範囲の番号
X	J P 11-94817 A (松下電器産業株式会社) 9. 4月. 1999 (09. 04. 99) (ファミリーなし)	1-8, 15-17
Y		9-14
X	J P 11-44689 A (ダイナボット株式会社) 16. 2月 1999 (16. 02. 99) (ファミリーなし)	1-8, 15-17
Y		9-14

☒ C欄の続きにも文献が列举されている。

☐ パテントファミリーに関する別紙を参照。

\* 引用文献のカテゴリー

「A」 特に関連のある文献ではなく、一般的技術水準を示すもの  
「E」 国際出願日前の出願または特許であるが、国際出願日以後に公表されたもの  
「L」 優先権主張に疑義を提起する文献又は他の文献の発行日若しくは他の特別な理由を確立するために引用する文献 (理由を付す)  
「O」 口頭による開示、使用、展示等に言及する文献  
「P」 国際出願日前で、かつ優先権の主張の基礎となる出願

の日の後に公表された文献  
「T」 国際出願日又は優先日後に公表された文献であって出願と矛盾するものではなく、発明の原理又は理論の理解のために引用するもの  
「X」 特に関連のある文献であって、当該文献のみで発明の新規性又は進歩性がないと考えられるもの  
「Y」 特に関連のある文献であって、当該文献と他の1以上の文献との、当業者にとって自明である組合せによって進歩性がないと考えられるもの  
「&」 同一パテントファミリー文献

国際調査を完了した日  
23. 07. 01

国際調査報告の発送日  
07.08.01

国際調査機関の名称及びあて先  
日本国特許庁 (ISA/JP)  
郵便番号 100-8915  
東京都千代田区霞が関三丁目4番3号

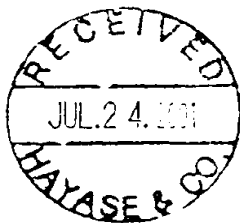
特許庁審査官 (権限のある職員)  
竹中靖典

電話番号 03-3581-1101 内線 3252



## C (続き) . 関連すると認められる文献

引用文献の カテゴリー*	引用文献名 及び一部の箇所が関連するときは、その関連する箇所の表示	関連する 請求の範囲の番号
X	JP 10-332700 A (株式会社タウンズ) 18. 12 月. 1998 (18. 12. 98)	1-8, 12-17
Y	(ファミリーなし)	9-11



## PATENT COOPERATION TREATY

PCT

From the INTERNATIONAL BUREAU

To:

HAYASE, Kenichi  
Hayase & Co. Patent Attorneys  
8F, Esaka ANA Bldg.  
17-1, Enoki-cho  
Suita-shi  
Osaka 564-0053  
JAPON

NOTIFICATION CONCERNING  
SUBMISSION OR TRANSMITTAL  
OF PRIORITY DOCUMENT

(PCT Administrative Instructions, Section 411)

Date of mailing (day/month/year) 16 July 2001 (16.07.01)	<b>IMPORTANT NOTIFICATION</b>
Applicant's or agent's file reference P25362-PO	
International application No. PCT/JP01/03683	
International publication date (day/month/year) Not yet published	
International filing date (day/month/year) 27 April 2001 (27.04.01)	Priority date (day/month/year) 28 April 2000 (28.04.00)
Applicant MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. et al	

- The applicant is hereby notified of the date of receipt (except where the letters "NR" appear in the right-hand column) by the International Bureau of the priority document(s) relating to the earlier application(s) indicated below. Unless otherwise indicated by an asterisk appearing next to a date of receipt, or by the letters "NR", in the right-hand column, the priority document concerned was submitted or transmitted to the International Bureau in compliance with Rule 17.1(a) or (b).
- This updates and replaces any previously issued notification concerning submission or transmittal of priority documents.
- An asterisk(\*) appearing next to a date of receipt, in the right-hand column, denotes a priority document submitted or transmitted to the International Bureau but not in compliance with Rule 17.1(a) or (b). In such a case, **the attention of the applicant is directed** to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.
- The letters "NR" appearing in the right-hand column denote a priority document which was not received by the International Bureau or which the applicant did not request the receiving Office to prepare and transmit to the International Bureau, as provided by Rule 17.1(a) or (b), respectively. In such a case, **the attention of the applicant is directed** to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.

<u>Priority date</u>	<u>Priority application No.</u>	<u>Country or regional Office or PCT receiving Office</u>	<u>Date of receipt of priority document</u>
28 Apr 2000 (28.04.00)	2000-130458	JP	22 June 2001 (22.06.01)

The International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland

Facsimile No. (41-22) 740.14.35

Authorized officer

Taïeb Akremi

Telephone No. (41-22) 338.83.38